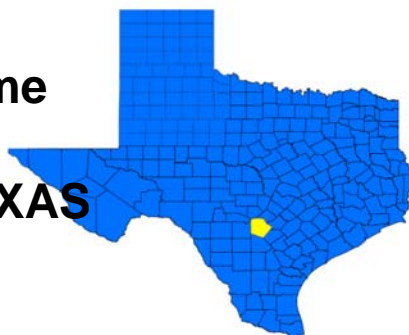


# **Bandera Road Ground Water Plume BEXAR COUNTY LEON VALLEY, TEXAS**



**EPA REGION 6**  
**CONGRESSIONAL DISTRICT 10**

**Contact:**  
**Chris Villarreal**  
**214-665-7658**

**Updated: July 2007**

**EPA ID# TXN000606565**

**Site ID: 0606565**

## **Current Status**

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On behalf of the EPA, the San Antonio office of the U.S. Geologic Survey (USGS) completed a well inventory and verification effort to identify wells located in the area of the Bandera Road groundwater plume. Sixty-seven wells were inventoried and field verified (see Bandera Road Well Inventory Map). The EPA has requested access to many of these wells for subsequent sampling and investigation. Some of the wells identified in the survey are not available for study because they have been plugged (i.e., closed). Forty of the wells identified in the USGS Survey were previously sampled by the Texas Commission on Environmental Quality (TCEQ), with six found to contain concentrations of tetrachloroethene (PCE) and trichloroethene (TCE) above the Safe Drinking Water Maximum Contaminant Level (MCL) of 5.0 parts per billion (ppb). Of these six wells, five wells were being used as a source of drinking water. The TCEQ installed activated carbon systems as a temporary measure on these five wells to provide safe drinking water. The EPA has hooked up three of these residences to a public water supply lines and is pursuing arrangements with the San Antonio Water System (SAWS) to extend municipal service lines to connect the other affected well owners to a public water supply.

The most recent well sampling event occurred in April. Select wells are being prepared for subsequent study. This effort includes pulling inoperable pumps from select wells and installing new surface completions to secure these wells.

## **Benefits**

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Without identification and investigation of the source of groundwater contamination, more private wells may be contaminated, with residents exposed to unsafe concentrations of hazardous substances.

## **National Priorities Listing (NPL) History**

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NPL Inclusion Proposal Date: September 26, 2006

NPL Inclusion Final Date: March 7, 2007

## **Site Description**

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The Bandera Road Groundwater Plume site is situated in Bexar County, in the City of Leon Valley, in the northwestern section of the City of San Antonio, Texas. The current estimated site area is approximately one mile long by one-half mile wide. The plume is centered in a business area, with some homes nearby, between Poss Road and Grissom Road, southwest of Bandera Road. Ongoing sampling and investigation may affect the estimated plume extent.

The site consists of a groundwater plume contaminated with PCE and TCE originating from unidentified source(s), and was identified through assessment activities conducted by the TCEQ Voluntary Cleanup Program. That investigation identified the presence of PCE and/or TCE concentrations above the 5.0 parts per billion (ppb) MCL in drinking water wells drawing from the Edwards Aquifer, a sole-source Karst aquifer for central Texas. Two City of Leon Valley public water supply wells are within one mile of the center of the contamination plume. These two public water supply wells were sampled in late April – no PCE or TCE was detected.

## Wastes and Volumes

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The site is being evaluated as a groundwater plume of unidentified source, containing PCE, TCE and cis-1,2-dichloroethene (cis-1,2-DCE). To date six wells are known to be contaminated with PCE and/or TCE at or above the 5.0 ppb MCL. The maximum observed concentration in those wells is 115.2 parts per billion (ppb) PCE and 5.76 ppb TCE. One additional well periodically has PCE at more than half of the MCL. Cis-1,2-DCE has been detected at up to 5.78 ppb, well below the MCL of 70 ppb.

## Health Considerations

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Human exposure is currently prevented through groundwater sampling and the use of activated carbon filtration systems on affected wells. Residents with drinking water wells with PCE/TCE concentrations above the federal drinking water standards are being hook up to the local public water supply.

## Record of Decision (ROD)

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A Record of Decision will be issued following completion of the Remedial Investigation/Feasibility Study. There will an opportunity for the community and interested parties to review the data and comment on the preferred remedy identified by the EPA.

## Site Contacts

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EPA Remedial Project Manager:	Chris Villarreal	214-665-6758
EPA Site Attorney:	Marvin Benton	214-665-2128
EPA Regional Public Liaison:	Phyllis June Hoey	214-665-8522
TCEQ Project Manager	Robert Musick	512-239-2243

EPA Superfund Region 6 Toll-Free Number: 1-800-533-3508

## Site Maps

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The Bandera Road Well Inventory was completed for EPA by the USGS, and represents the current known inventory of wells within the area of interest. Figures 1 and 3 are taken from the September 2006 Hazard Ranking System (HRS) Documentation Record, and illustrate the regional location of the site and the current estimated extent of the groundwater plume.

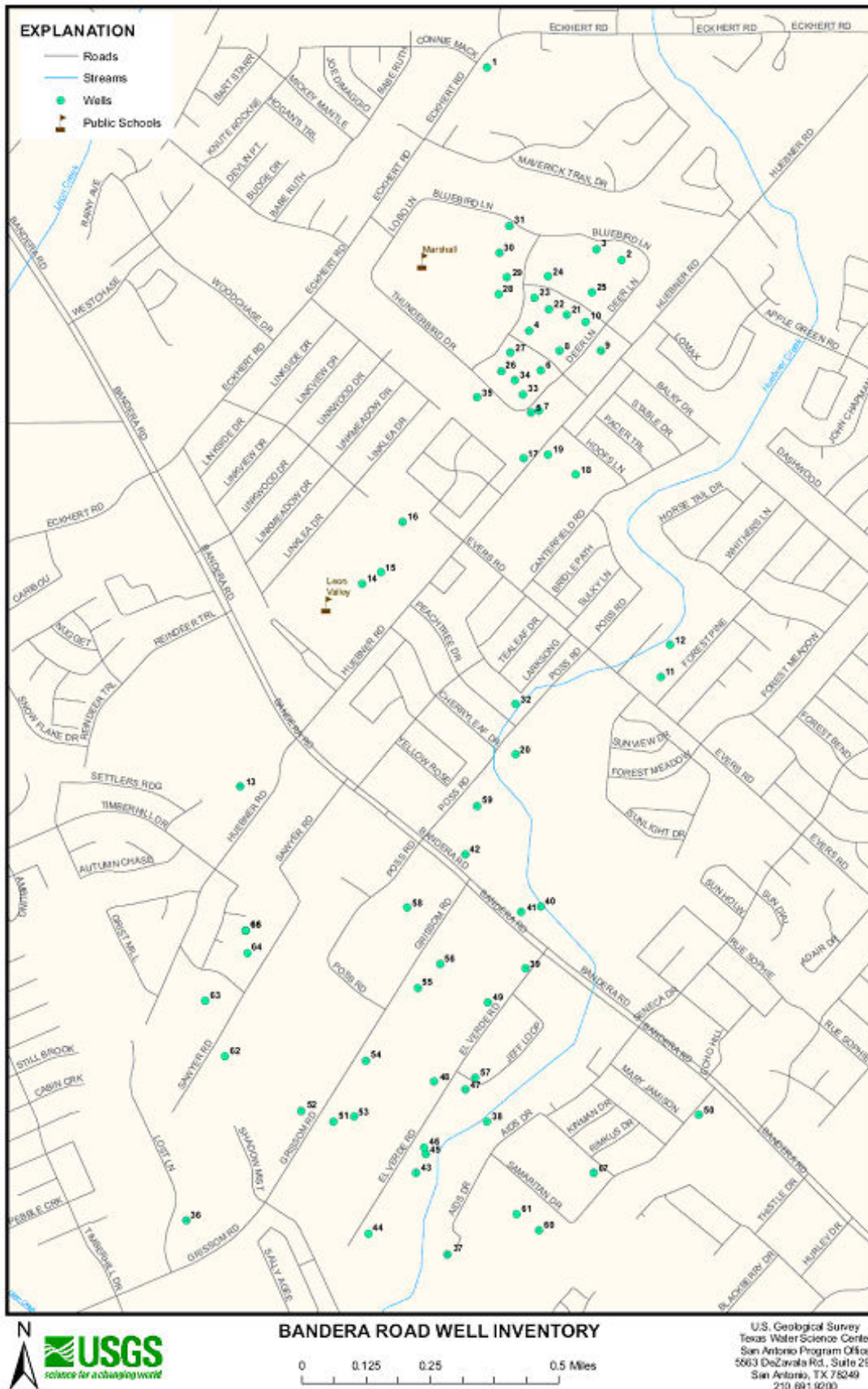




Figure 1 - Regional Location Map

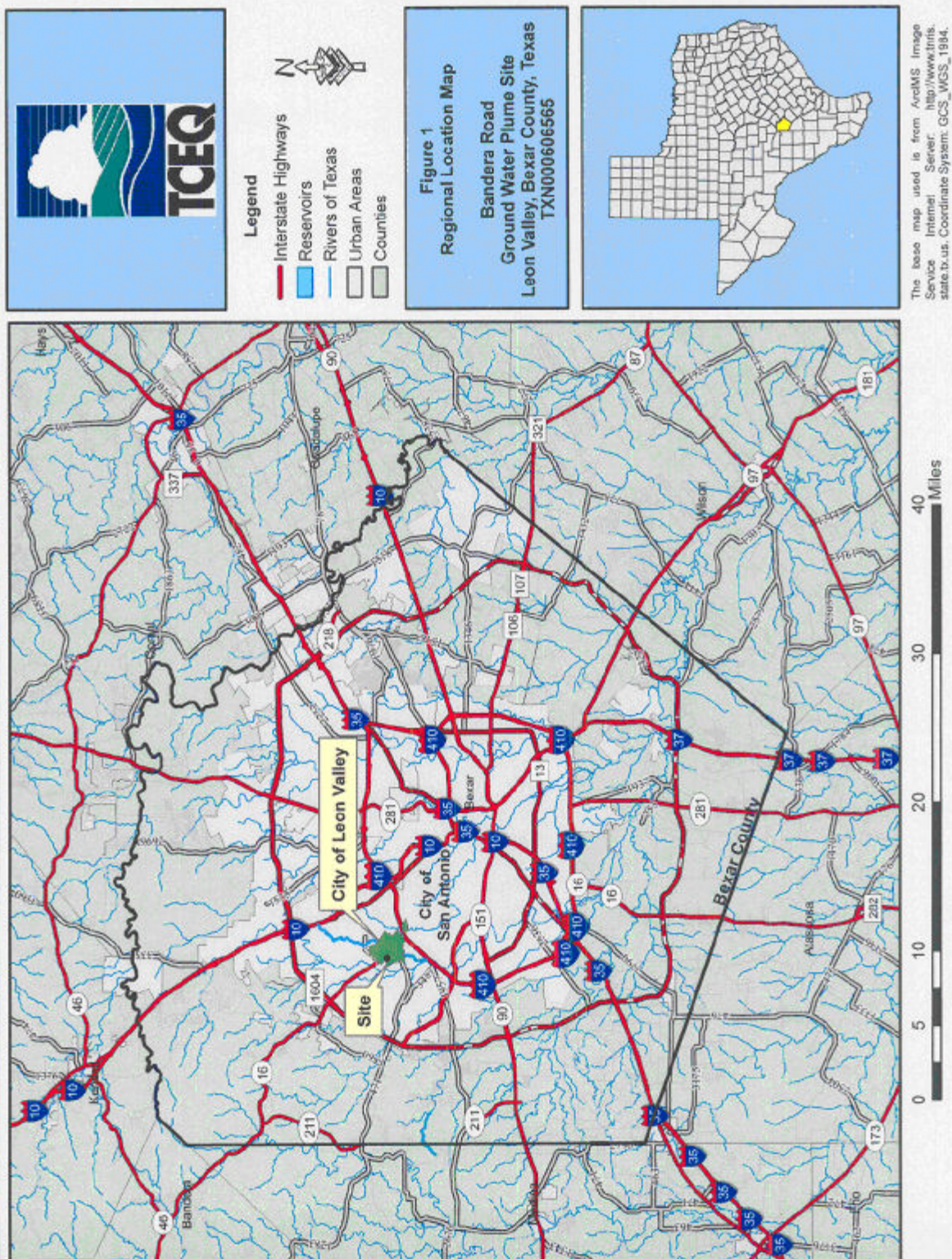




Figure 3. Ground Water Plume Map

